

# BDA Assignment 4

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# Pagerank

- Top 5 most trusted users (and pagerank score):
  - 18 - 325.84
  - 737 - 212.59
  - 1719 - 147.20
  - 118 - 145.02
  - 790 - 142.32
- Resources:
  - <https://spark.apache.org/docs/latest/api/scala/index.html#org.apache.spark.graphx.GraphOps>

# HITS Algorithm

- Top 5 most trusted users (and normalized authority score):
  - 18 - 0.0186
  - 737 - 0.0119
  - 401 - 0.0087
  - 118 - 0.0085
  - 27 - 0.0084
- Resources:
  - <https://medium.com/@gangareddy619/advanced-graph-algorithms-in-spark-using-graphx-aggregated-messages-and-collective-communication-f3396c7be4aa>

# Simrank

- User with highest pagerank (and pagerank score):
  - 18 - 325.84
- Top 5 users in trusted circle of above user (and simrank score):
  - 118 - 0.00699
  - 790 - 0.00623
  - 136 - 0.00613
  - 1191 - 0.00589
  - 128 - 0.00588
- Resources:
  - <https://spark.apache.org/docs/latest/api/scala/index.html#org.apache.spark.graphx.GraphOps>